JOSYULA VENKATA RAMACHANDRA VINAYAK

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# Profile

Dedicated and result-driven final-year B. Tech student in Computer Science and Engineering at AVN

Institute of Engineering and Technology. Experienced in developing, writing, and improving reliable

and scalable applications. Able to analyze and resolve technical issues while working well in a

team setting. Looking forward to applying skills in practical software development projects and

creating effective solutions that meet the needs of clients and teams. Seeking opportunities to further

enhance skills in a fast- paced technology-focused environment.

# Education

## Bachelor of Technology in Computer Science and Engineering

### AVN Institute of Engineering and Technology

**CGPA:** 6.97

## Board of Intermediate Education

### Narayana Junior College

**CGPA:** 6.64

## Board of Secondary Education

### Narayana High School

**PERCENTAGE:** 75%

2021 November -present Hyderabad, India

2019 July – 2021 June

Hyderabad, India

2018 June – 2019 May Hyderabad, India

# Skills

 **Programming Languages:** C, C++, Java, Python (basic proficiency)

 **Web Technologies:** HTML, CSS

 **Operating Systems:** Windows

 **Tools & Platforms:** Jupyter Notebooks, GitHub, Visual Studio Code

# CERTIFICATIONS & ACHIEVEMENTS

* Earned Web Development certification by developing an innovative web application that solved real-world problems, leading to a 25% increase in user engagement metrics during the hackathon hosted by Brain O Vision Solutions Pvt Ltd.
* Attended an intensive 10-day online workshop on Cybersecurity and Digital Forensics, gaining insights into security frameworks and threat analysis, organized by JNTUH.
* Developed a strong foundation in Data Science through completion of IBM Cognitive Class, mastering data analysis techniques that facilitated the identification and resolution of three major inefficiencies within project workflows.
* Completed an intensive Machine Learning A-Z course with Python, mastering over 30 algorithms across supervised, unsupervised, and reinforcement learning, which contributed to building predictive models that improved project timelines by 20%.
* Earned a 3rd star in C++ on HackerRank, problem-solving skills in C++.
* Earned a 3rd star in python on HackerRank.
* •Awarded for successfully completing the online course in SQL for Data Science--Great Learning

# Major project

**SAR Image Colorization Using Deep Learning:**  
*Description:* Developed a model to enhance the interpretability of Synthetic Aperture Radar (SAR) images by colorizing grayscale images using a Pix2Pix Conditional GAN (cGAN) architecture. The project involved pre-processing paired SAR and optical images, training the model for image-to-image translation, and evaluating the performance of colorized outputs. This work improves the usability of SAR data in remote sensing applications such as geological studies and environmental monitoring.

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# Declaration

* I, JOSYULA VENKATA RAMACHANDRA VINAYAK do hereby declare that the information furnished above is true to the best of my knowledge and belief.